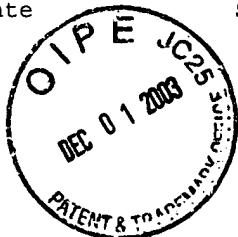


**CERTIFICATE OF MAILING**

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11/26/03  
Date

*Robert A. Baumgartner*  
Signature

**PATENT****Attorney Docket No. A2082 (XC-018)****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application	)	<u>PATENT APPLICATION</u>
	)	
Inventor(s): Eugene M. Chow et al.	)	
	)	Art Unit: 2812
Application No.: 10/615,653	)	
	)	Examiner: unknown
Filed: 07/08/2003	)	
	)	
Title "HIGH FORCE METAL PLATED SPRING STRUCTURE"	)	
	)	
	)	

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed below or on an attached Form PTO-1449 is information known to applicant(s). A copy of each listed publication and non-U.S. patent, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP § 609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56.

- ☒ This statement qualifies under 37 C.F.R. § 1.97, subsection (b) because (check all that apply):
- ☐ (1) It is being filed within 3 months of the application filing date and is other than a continued prosecution application under § 1.53(d)  
-- OR --
  - ☐ (2) It is being filed within 3 months of entry of a national stage  
-- OR --
  - ☒ (3) It is being filed before the mail date of the first Office Action on the merits.  
-- OR --
  - ☐ (4) It is being filed before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114
- ☐ 37 C.F.R. § 1.97(c). If this statement is being filed after the period specified in § 1.97(b), but before the mailing date of the earlier of a final office action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, then:
- ☐ a certification as specified in § 1.97(e) is provided below; **or**
  - ☐ a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☐ 37 C.F.R. § 1.97(d). If this statement is being filed after the period specified in § 1.97(c), but on or before payment of the issue fee, then:
- A. a certification as specified in § 1.97(e) is completed below; **and**
  - B. a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☒ *Fee Authorization.* The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 24-0037 (Docket No. A2082).

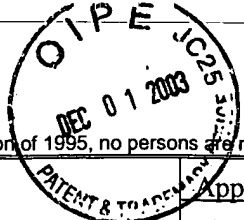
Respectfully submitted,

BEVER, HOFFMAN & HARMS, LLP

Dated: Nov. 26, 2003

By: Patrick T. Bever  
Patrick T. Bever, Reg. No. 33,834

Telephone: (408) 451-5902  
Customer No. 28014



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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Sheet 1 of 5 Attorney Docket Number A2082 (XC-018)

**U.S. PUBLISHED PATENT APPLICATIONS**

Examiner Initials*	Cited No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear
	A01	2002/0013070	A1	Fork et al.	1/31/2002	
	A02	2002/0040884	A1	Hantschel et al.	4/11/2002	
	A03	2002/0047091	A1	Hantschel et al.	4/25/2002	
	A04	2002/0079445	A1	Hantschel et al.	6/27/2002	
	A05	2003/0010615	A1	Fork et al.	1/16/2003	

**U.S. PATENT DOCUMENTS**

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	A06	3,842,189		Southgate	10/15/1974	
	A07	3,952,404		Matunami	4/27/1976	
	A08	4,189,342		Kock	2/19/1980	
	A09	4,423,401		Mueller	12/27/1983	
	A10	4,821,148		Kobayashi et al.	4/11/1989	
	A11	5,280,139		Suppelsa et al.	1/18/1994	
	A12	5,399,232		Albrecht et al.	3/21/1995	
	A13	5,414,298		Grube et al.	5/9/1995	

**FOREIGN PATENT DOCUMENTS**

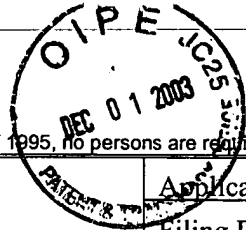
Examiner Initials*	Cited No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.



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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 5 Application Number 10/615,653  
Filing Date 7/8/2003  
First Named Inventor: CHOW, Eugene M.  
Examiner name: Unknown GROUP: 2812  
Attorney Docket Number A2082 (XC-018)**U.S. PUBLISHED PATENT APPLICATIONS**

Examiner Initials*	Cited No. <sup>1</sup>	U.S. Patent Document Number Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear

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	A14	5,465,611	Ruf et al.	11/14/1995	
	A15	5,513,518	Lindsay	5/7/1996	
	A16	5,515,719	Lindsay	5/14/1996	
	A17	5,612,491	Lindsay	3/18/1997	
	A18	5,613,861	Smith et al.	3/25/1997	
	A19	5,665,648	Little	9/9/1997	
	A20	5,780,885	Diem et al.	7/14/1998	
	A21	5,831,181	Majumdar et al.	11/3/1998	
	A22	5,848,685	Smith et al.	12/15/1998	
	A23	5,914,218	Smith et al.	6/22/1999	
	A24	5,939,623	Muramatsu et al.	8/17/1999	
	A25	5,944,537	Smith et al.	8/31/1999	
	A26	5,959,516	Chang et al.	9/28/1999	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear	T <sup>6</sup>

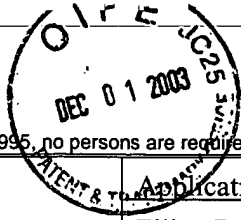
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STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Sheet	3	of	5	Application Number	10/615,653
				Filing Date	7/8/2003
				First Named Inventor:	CHOW, Eugene M.
				Examiner name: Unknown	GROUP: 2812
				Attorney Docket Number	A2082 (XC-018)

**U.S. PUBLISHED PATENT APPLICATIONS**

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**U.S. PATENT DOCUMENTS**

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	A27	5,960,147		Muramatsu et al.	9/28/1999	
	A28	5,979,892		Smith	11/9/1999	
	A29	6,011,261		Ikeda et al.	1/4/2000	
	A30	6,117,694		Smith et al.	9/12/2000	
	A31	6,184,065	B1	Smith et al.	2/6/2001	
	A32	6,184,699	B1	Smith et al.	2/6/2001	
	A33	6,194,774	B1	Cheon	2/27/2001	
	A34	6,213,789	B1	Chua et al.	4/10/2001	
	A35	6,249,039	B1	Harvey et al.	6/19/2001	
	A36	6,252,175	B1	Khandros	6/26/2001	
	A37	6,264,477	B1	Smith et al.	7/24/2001	
	A38	6,290,510	B1	Fork et al.	9/18/2001	
	A39	6,299,462	B1	Biegelsen	10/9/2001	

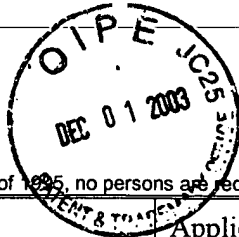
**FOREIGN PATENT DOCUMENTS**

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	A40	WO	99/18445	A1	Marcus et al.	4/15/1999		
	A41	WO	00/33089	A2	Mathieu et al.	6/8/2000		
	A42	WO	01/48870	A2	Mathieu et al.	7/5/2001		

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number		10/615,653	
			Filing Date		7/8/2003	
			First Named Inventor:		CHOW, Eugene M.	
			Examiner name: Unknown		GROUP: 2812	
Sheet	4	of	5	Attorney Docket Number		A2082 (XC-018)

**U.S. PUBLISHED PATENT APPLICATIONS**

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	A43	6,352,454	B1	Kim et al.	3/5/2002	
	A44	6,392,524	B1	Biegelsen et al.	5/21/2002	
	A45	6,441,359	B1	Cozier et al.	8/27/2002	
	A46	6,455,885	B1	Lin	9/24/2002	
	A47	6,499,216	B1	Fjelstad	12/31/2002	
	A48	6,528,350	B2	Fork	3/4/2003	
	A49	6,528,785	B1	Nakayama et al.	3/4/2003	
	A50	6,578,410	B1	Israelachvili	6/17/2003	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Info. Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Zou et al., "Plastic Deformation Magnetic Assembly (PDMA) of Out-of-Plane Microstructures: Technology and Application," IEEE Journal of Microelectromechanical Systems, Vol. 10, No. 2, June 2001, pp. 302-309
	Chen et al., "Nanostructure patterns written in polycarbonate by a bent optical fiber probe," J. Vac. Sci. Technol. B 19(6), Nov/Dec 2001, pp. 2299-2300
	Kim et al., "Realization of High-Q Inductors Using Wirebonding Technology," School of Electronics Engineering, Ajou University, Korea, 4 pgs

EXAMINER

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				Filing Date	7/8/2003
				First Named Inventor:	CHOW, Eugene M.
				Examiner name: Unknown	GROUP: 2812
Sheet	5	of	5	Attorney Docket Number	A2082 (XC-018)
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Datta, Madhav, "Microfabrication by electrochemical metal removal," IBM J. Res. Develop. Vol. 42, No. 5, September 1998, pp. 655-669					
Larson, Lawrence E., ed., <i>RF and Microwave Circuit Design for Wireless Communications</i> , Artech House: Boston 1997, 8 pgs					
Zhang et al., "A MEMS nanoplotter with high-density parallel dip-pen nanolithography probe arrays," IOP Publishing, Nanotechnology 13 (2002), pp. 212-217					
Craninckx et al., "A CMOS 1.8GHz Low-Phase-Noise-Voltage-Controlled Oscillator with Prescaler," 1995 IEEE International Solid-State Circuits Conference, Digest of Technical Papers, pp. 266-268					
Rogner et al., "The LIGA technique-what are the new opportunities," J. Micromech. Microeng. 2 (1992), pp. 133-140					
Young et al., "Monolithic High-Performance Three-Dimensional Coil Inductors for Wireless Communication Applications," pp. 3.5.1-3.5.4					
Young et al., "A Low-Noise RF Voltage-Controlled Oscillator Using On-Chip High-Q Three-Dimensional Coil Inductor and Micromachined Variable Capacitor," pp. 128-131					
Nguyen et al., "Si IC-Compatible Inductors and LC Passive Filters," IEEE Journal of Solid-State Circuits, Vol. 25, No. 4, August 1990, pp. 1028-1031					
Chang et al., "Large Suspended Inductors on Silicon and Their Use in a 2-μm CMOS RF Amplifier," IEEE Electron Device Letters, Vol. 14, No. 5, May 1993, pp. 246-248					
Nguyen et al., "A 1.8-GHz Monolithic LC Voltage-Controlled Oscillator," IEEE Journal of Solid-State Circuits, Vol. 27, No. 3, March 1992, pp. 444-450					
EXAMINER				DATE CONSIDERED	

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